1st & final

Job Code: 005-20-000106
Est Cost: 20.00 lakhs

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497811

Serial No. .....

Name of Work Improvements to Drains & Asphalting to Roads in Srirampura From ..... to .....

Name of Contractor of nature of Agency MICEHS layout-Telecom layout-Surrounding

Date of commencement of work area in ward No 05 Jalahalli Byatarayapura Sub Division

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Order No: EE/BTP/BBMP/E-PMT/01/20-21 Dt 8/8/2020 BBMP/EE/BTP/WO/40/2020-21						
	Contractor Name: Shree Charan Constructions prop. Sri T. S. Kothandaraju						
	(1) Earth work Excavation by manual means in ordinary soil including all lifts upto 2m & all leads upto 0.5m excavated surface levelled & sides neatly dressed the disposed earth to be levelled neatly after breaking of clods etc complete.						

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MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 497815

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
Qty is as per premeasurement sheet Item no 1 Page No: 497887/1 to 497889 @ Rate 150/m³					Qty - 417.15 m³ = 42291	
providing & laying in position P.C.C M20 1:4:8 with 40 mm nominal size graded granite coarse & fine aggregates mix concrete laid in layers not exceeding 15 cm thick in all complete in foundation including cost of all matrials etc complete Qty is as per premeasurement sheet Item no 2 @ Rate 5300/m³					40363 Qty - 7.75 m³ = 40916=00	

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
(3) providing & Constructing granite/basalt/ CSM in foundation with C.M stone hammered in course not less than 20 cm Light bond Stone at 2m apart in each course including cost of material etc complete TMB: - 497890 Qty is from premeasurement sheet Item no 3 @ Rate 4600/m³					Qty - 14.70 m³ = 67620=00	
(4) providing & Constructing granite/trap/basalt CSM in foundation with C.M Stone hammered						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	dressed in courses not less than 15 cm high bond stone at 2m apart in each course including cost of materials labour etc complete qty is from pre measurement of item B P-497891						
	@ Rate 5600/m³					qty = 11.03 m³ = 61765=00	
(5)	Providing & removing centering & shuttering & strutting propping etc & removal of form work for arch & soffits of bearing including						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

497846

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cantilever girders pressures & lintels not exceeding 1m in depth including cost of all materials labour etc complete qty is as per pre measurement of item B P-497891						
	@ Rate 275/m²					qty = 28.25 m² = 7769=00	
(6)	Providing & laying P.C.C of mix 1:3:6 with 40 m.m nom. size girders granite metal course & fine aggregates in foundation mechanically						
	bricks plates in foundation &						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vibration including curing etc complete qty from premeasurement of MB item no 8 @ Rate 5500/m³ qty - 6.96 m³ = 38390=00						
(7)	providing flush pointing 20 mm deep to square rubble course or uncoursed stone masonry with C.M after raking it to depth of 20 mm nicely lining including lower & all materials curing etc complete. qty is as per premeasurement of MB item no 7 qty =						

TMB: Page: 497891/1

TMB: Page: 497892

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497847

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 220/m² qty - 24.50 m² = 5390=00						
(8)	providing & laying in position reinforced C.C of Design mix M20 with 20 mm & down size graded granite metal coarse & fine aggregates Micrixer Concrete laid in layers not exceeding 15 cm Using vibrators for all works in foundation for footing plinths etc including cost & all materials etc complete For Culvert						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Telicom layer- CRFC 13/09	1	8.20	1.80	0.23	= 3.39	
		1	10.20	1.80	0.23	= 4.22	
		1	6.10	1.80	0.23	= 2.53	
						10.14 m³	
	② Rate 5700/m³					= 57798=00	
(9)	providing T.M.T steel reinforcement for R.C.C work including straightening cutting, bending hooking placing in position tapping/or welding wherever required tying with binding wire & anchoring to the adjoining members wherever necessary						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 197818

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Etc Compleate qty is as per pre-measurement					qty - 0.67 T	TMS: 497892/17+893 MB & tr no 9
	② Rate 74500/T					= 49915=00	
(10)	providing laying spreading & compacting crushed stone aggregate of granite/basalt- maadam including premixing with water at OMC in mechanical mix plant- carriage of mixed materials by						to wet mix tipper to site,

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MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497849

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	laying in uniform layers with paver on sub-base/base course by wet preparing surface & compacting with vibratory roller to achieve the desired density etc complete page: 497893 to 497896 Qty as per previous item - Qty = 40.32 cum = 784.32 = 0						
	⑤ Rate 1950/cum						
(11)	providing & applying primer coat - from 7.5 kg/ to 9.8 kg + 9.8 to 12.2 kg/ for surface of low						

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	low & medium porosity respectively over prepared surface of granular base with cut-backs M-70 or any other bituminous mixed with diesel @ 10 kg/10 sqm heated in bitumen boiler fitted with spray set including cost of all materials labour tools & machineries etc complete.						
	For Road Telicom layout -	1	21.00	$\frac{5.20+5.00}{2}$		= 107.10	
	13th Cross Road	1	9.90	$\frac{5.50+5.00}{2}$		= 54.95	162.05

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	5.25 + 5.60 / 2		= 167.25	
		1	30.00	5.60 + 4.75 / 2		= 155.25	
	12th Cross Road	1	18.00	4.75 + 4.75 / 2		= 85.50	
		1	30.00	5.80 + 5.60 / 2		= 171.00	
		1	20.40	5.60 + 5.31 / 2		= 111.69	
	2nd Cross Road	1	15.00	5.60 + 5.60 / 2		= 84.00	
		1	15.00	5.60 + 5.20 / 2		= 81.00	
		1	15.00	5.20 + 4.60 / 2		= 72.00	
						920.69	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 197850

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	4.40 + 4.60 / 2		= 67.50	
		1	15.00	4.60 + 5.20 / 2		= 73.50	
		1	15.00	5.20 + 5.10 / 2		= 77.25	
	C & RC	1	15.00	5.10 + 5.10 / 2		= 76.50	
	30/6/2021	1	15.30	5.10 + 5.10 / 2		= 84.15	
	10th Cross Road	1	30.00	7.40 + 6.40 / 2		= 207.00	
		1	30.00	6.40 + 6.30 / 2		= 190.50	779.40

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{6.30+6.30}{2}$		= 187.19	
		1	30.00	$\frac{6.20+5.80}{2}$		= 180.00	
		1	30.00	$\frac{5.80+6.30}{2}$		= 187.50	
		1	2.90	$\frac{6.70+6.70}{2}$		= 19.43	574.43
						2446.57 m²	
	Late 33/2,2					2527.50 m²	
						= 76808 = 00	
(12)	Providing & laying semi dense bituminous concrete 25 m.m. thick 100–120 TPH batch type						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Hmp producing 120 mt. output of 75 tonnes per hour using crushed aggregates of specified grading premixes with bituminous binder 4.5 to 5% of mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade etc complete						
	For Road (BSC)	1	21.00	$\frac{5.20+5.00}{2}$		× 0.03 =	3.24
	Telicom layout	1	9.90	$\frac{5.55+5.55}{2}$		× 0.03 =	1.65
							4.86

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12th cross Road	1	30.00	5.55+5.60 / 2		0.03 =	5.02
		1	30.00	5.60+4.72 / 2		0.03 =	4.66
		1	18.00	4.75+4.75 / 2		0.03 =	2.57
		1	30.00	5.80+5.60 / 2		0.03 =	5.13
		1	20.40	5.60+5.35 / 2		0.03 =	3.35
	21st cross Road	1	15.00	6.00+5.60 / 2		0.03 =	2.61
		1	15.00	5.60+5.20 / 2		0.03 =	2.43
		1	15.00	5.20+4.40 / 2		0.03 =	2.16
		1	15.00	5.20+4.40 / 2		0.03 =	2.03 2.16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 197852

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	18th cross Road	1	15.00	4.60+5.20 / 2		0.03 =	2.24
		1	15.00	5.20+5.10 / 2		0.03 =	2.32
		1	15.00	5.10+5.50 / 2		0.03 =	2.39
		1	15.30	5.50+5.50 / 2		0.03 =	6.21 2.52
		1	30.00	7.40+6.40 / 2		0.03 =	5.72 6.21
		1	30.00	6.40+6.30 / 2		0.03 =	5.72
		1	30.00	6.30+6.20 / 2		0.03 =	5.63

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MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497853

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C/FC.						
	13/09	1	30.00	6.20+5.80/2		0.03 =	5.40
	C/FC	1	30.00	5.80+6.70/2		x0.03 =	5.63
	30/6/21	1	2.90	x 6.70+6.70/2		0.03 =	0.56
						73.54	73.40m³
			Limited to				69.83m³
	@ Rate 6300/m³						= 439929=00
13	Loading & Unloading of stone Boulders/stone aggregates/Sand/Laterite/murrum, placing tipper at loading point- loading with front end loader dumping turning for return trip excluding time for haulage & return trip etc complete qty is as per Item no 1 = 1ltr MB						= 117.15m³
	@ Rate 55/m³						= 2943=00
							1707999=00
	C/FC 30/6/21					Add 12½.95%	= 204960=00
						TOTAL M	1912959=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) It is Certified that the above work done Satisfactorially.						
	(2) The above Bill Amount is not claimed any of previous Bill.						

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024

Hegadenagara Road

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497854

erial No. .....
ame of Work ..... From .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	L-152.5m 18th Cross MC Layout						
	L-120.6m 21st Cross						
	L-108m 12th Cross						
	Telecom Trench Road						

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st & Final						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Zonal Public Work - Pow works ರಡಿ		TTB	1921000			
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 1921000/- ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ		IT	19120			
	ಇದರಲ್ಲಿ ರೂ. 138000/- ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ		Cess	17072			
	ಮಾಡಿಕೊಂಡು ರೂ. 1783000/- ಗಳನ್ನು		SCess	17072			
			Cess	19120			
	FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ		CBT	1912			
			CR	60584			
			Fine	3120			
			Ded:	138000			
			Chqe	1783000			
	ವಿಷಯ ನಿರ್ವಾಹಕರು ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 13/12/21 ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು						
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 13/09 ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು						

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